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TITLE: MULTICOLOR IMAGE FORMING MATERIAL AND METHOD FOR FORMING MULTICOLOR IMAGE

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ABSTRACT:

PROBLEM TO BE SOLVED: To provide a DDCP of a large size having a high quality level/high stability and excellent printing coincidence.

SOLUTION: A multicolor image forming material comprises an image receiving layer having an image receiving layer, and a thermal transfer sheet having at least a photothermal conversion layer and the image forming layer on a support and containing at least four types of different colors. The material records the image by oppositely superposing the image forming layer of each thermal transfer sheet and the image receiving layer of the image receiving sheet, irradiating the superposed layers with a laser beam, and transferring the laser beam irradiated region of the image forming layer on the image receiving layer of the image receiving sheet. In this material, a thickness of the image forming layer of each thermal transfer sheet is 0.01 to 1.5  $\mu\text{m}$ , and a width of the laser beam of the laser transferred image is 0.8 to 2.0 times as large as a half value and half width of those of an energy distribution in a sub-scanning direction by integrating a two-dimensional energy distribution of a laser beam spot in a main scanning direction. A method for forming the multicolor image uses the multicolor image forming material.

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